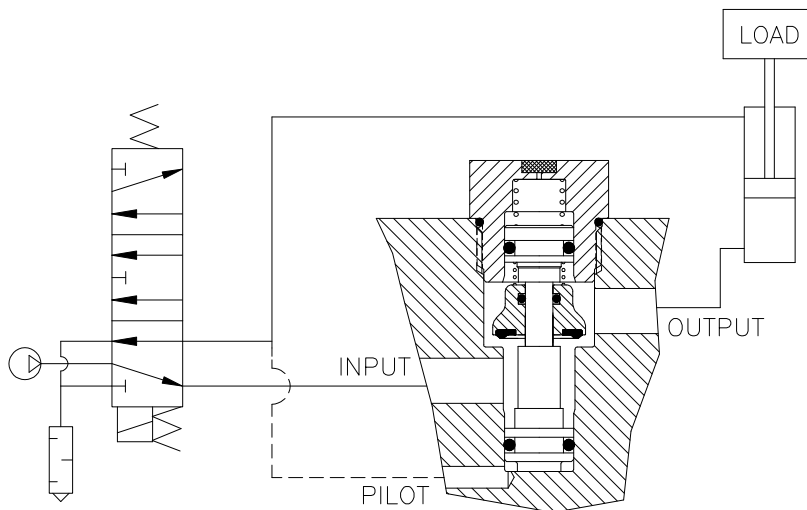
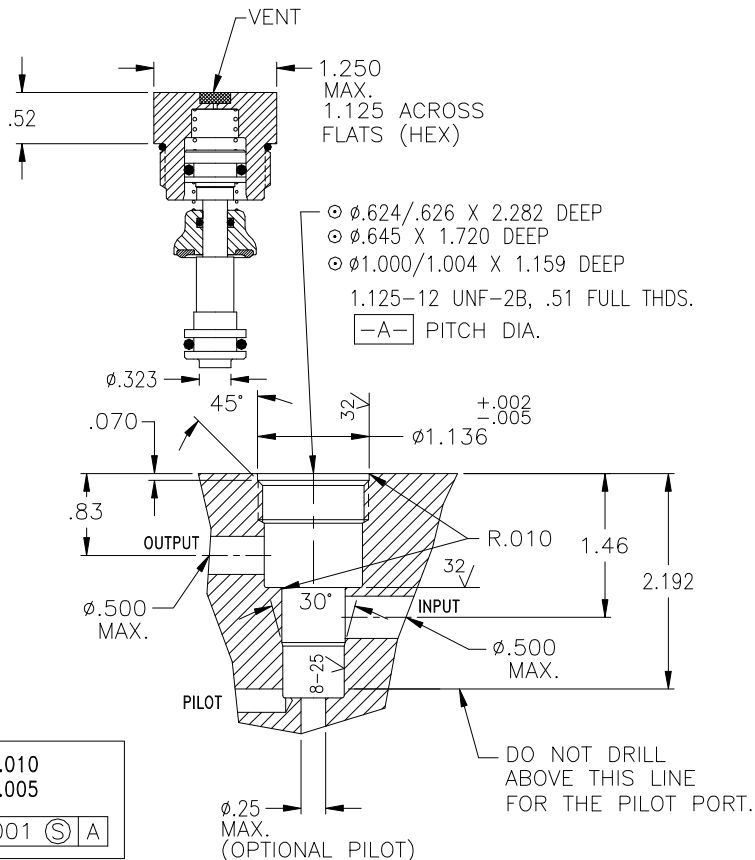
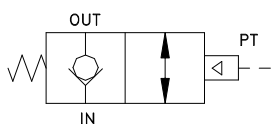


# Pneumatic Cartridge Valve for a Manifold, Cv=2.6

- High Flow
- High & Low Temp
- .000113 cc/min Leak Rate
- Insert From One Side
- Easy Repair

## Basic Operation:

Lock your pneumatic device in position when a pressure drop or total loss of pressure occurs.



## Operating Data:

- Max. Pressure:** 150 psi
- Min. Pilot Pressure:** 40 psi  
25 psi (see table)
- Leak Rate:** .000113 cc/min
- Temp. Range:** -20 to 150 F (Nitrile)  
30 to 350 F (FKM)  
-40 to 150 F (EPDM)
- Cycle Rate:** 1 cyc./sec. max.
- Max. Flow Capacity (Cv):** 2.6
- Cracking Pressure:** 1-3 psi
- Service:** Properly filtered dry air or lubricated air.

Description	Standard	Low Temp*	High Temp
Cartridge, End Cap & Spring	BC4MNAS	BC4MNAS40	BC4MNASV
Cartridge & Spring	BC4MN	BC4MNT40	BC4MNV

\* No petroleum based lubricants. Comes lubricated with a silicone based lubricant. Add (-K18) to the model number for a lower pilot pressure (Ex: BC4MNAS-K18).

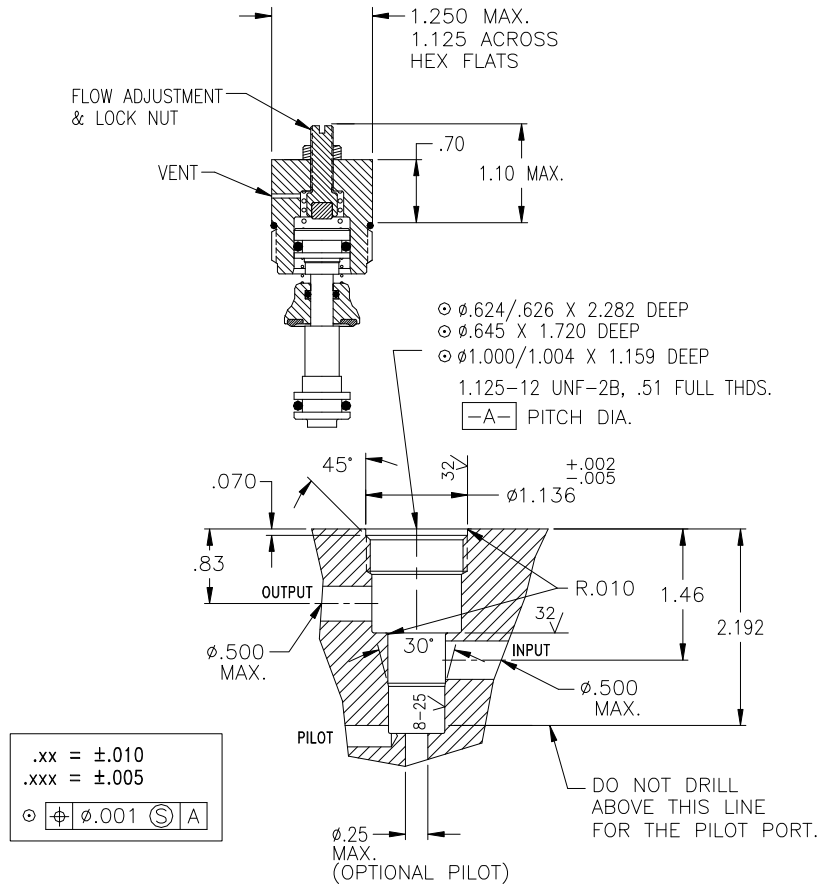
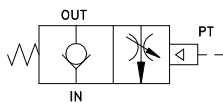


# Pneumatic Cartridge Valve with Flow Control for a Manifold, Cv=2.6

- High Flow
- Flow Control
- .000113 cc/min Leak Rate
- Insert From One Side
- Easy Repair

## Basic Operation:

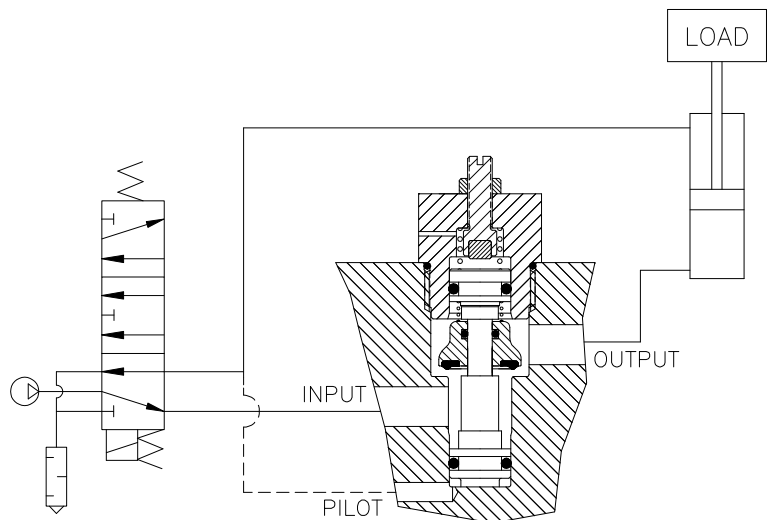
Lock your pneumatic device in position when a pressure drop or total loss of pressure occurs. Air flow is metered from the Output to the Input port.



No. of Turns	Equivalent Diameter (in.)	No. of Turns	Equivalent Diameter (in.)
.25	.15	1.25	.34
.50	.21	1.50	.37
.75	.26	1.75	.40
1.0	.30		

## Operating Data:

**Max. Pressure:** 150 psi  
**Min. Pilot Pressure:** 40 psi  
 25 psi (K18 suffix)  
**Leak Rate:** .000113 cc/min  
**Temp. Range:** -20 to 150 F (Nitrile)  
**Cycle Rate:** 1 cyc./sec. max.  
**Max. Flow Capacity (Cv):** 2.6  
**Cracking Pressure:** 1-3 psi  
**Service:** Properly filtered dry air or lubricated air.



Description	Model
Cartridge, Adjustable Cap, & Spring	<b>BC4MNFL</b>
Cartridge, Adjustable Cap, & Low Pressure Spring	<b>BC4MNFLK18</b>



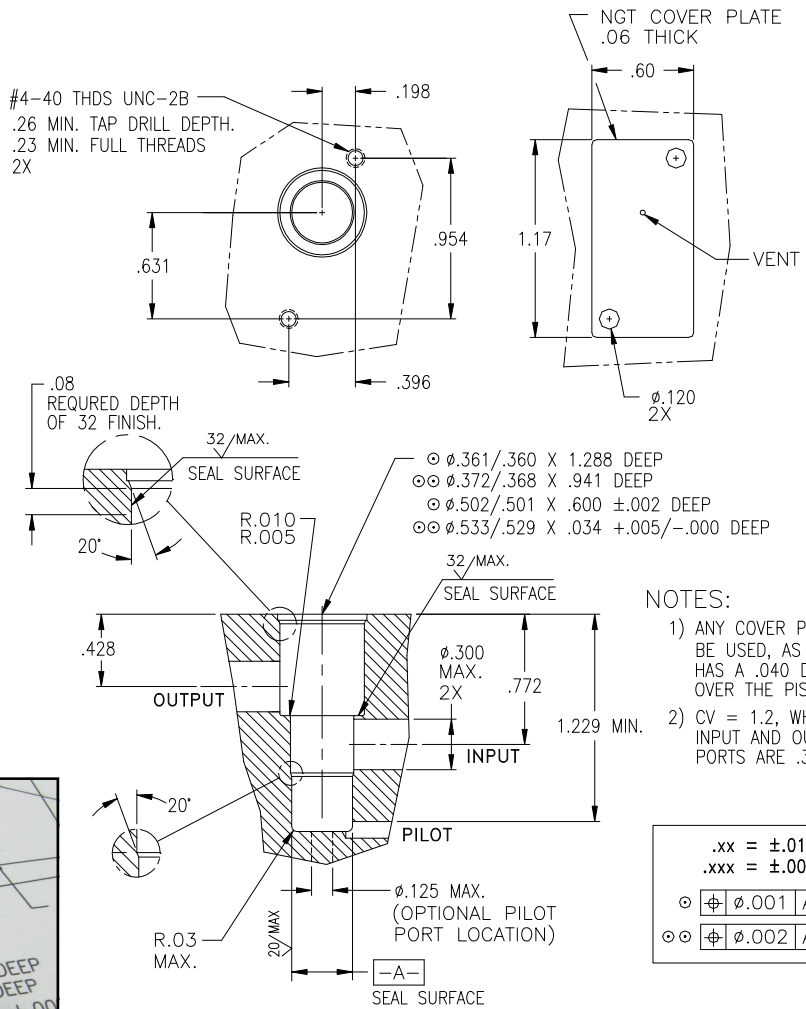
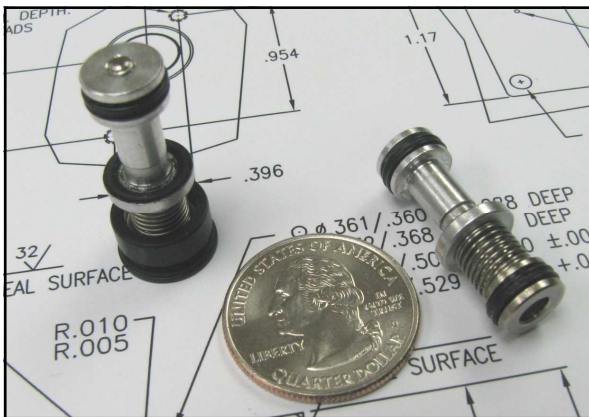
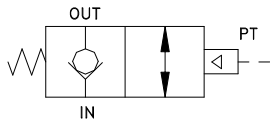


# Pneumatic Cartridge Valve for a Manifold, Cv=1.2

- **.000113 cc/min Leak Rate**
- **Inserts From One Side**
- **Easy Repair**
- **Small Size**

## Basic Operation:

Lock your pneumatic device in position when a pressure drop or total loss of pressure occurs. Good for leak testing. Insert a cartridge assembly into a machined cavity and attach a cover for easy assembly.



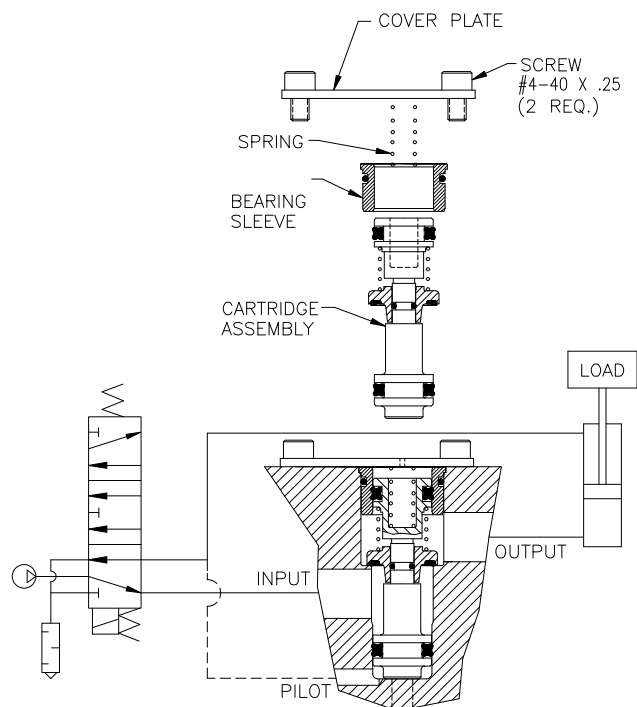
- NOTES:
- 1) ANY COVER PLATE CAN BE USED, AS LONG AS IT HAS A .040 DIA VENT OVER THE PISTON BORE.
  - 2) CV = 1.2, WHEN INPUT AND OUTPUT PORTS ARE .300 DIA.

.xx	= ±.010
.xxx	= ±.005
⊙	⊕ φ.001 A
⊙⊙	⊕ φ.002 A

## Operating Data:

- Max. Pressure:** 120 psi
- Min. Pilot Pressure:** 30 psi @ 80 psi
- Leak Rate:** .000113 cc/min
- Temp. Range:** 30 - 150 F
- Cycle Rate:** 1 cyc./sec. max.
- Max. Flow Capacity (Cv):** 1.2
- Cracking Pressure:** 2-3 psi
- Service:** Properly filtered dry air or lubricated air.

Description	Standard
Cartridge, Bearing, Cover, Spring & Screws	<b>BC1MNAS</b>
Cartridge, Bearing & Spring	<b>BC1MN</b>

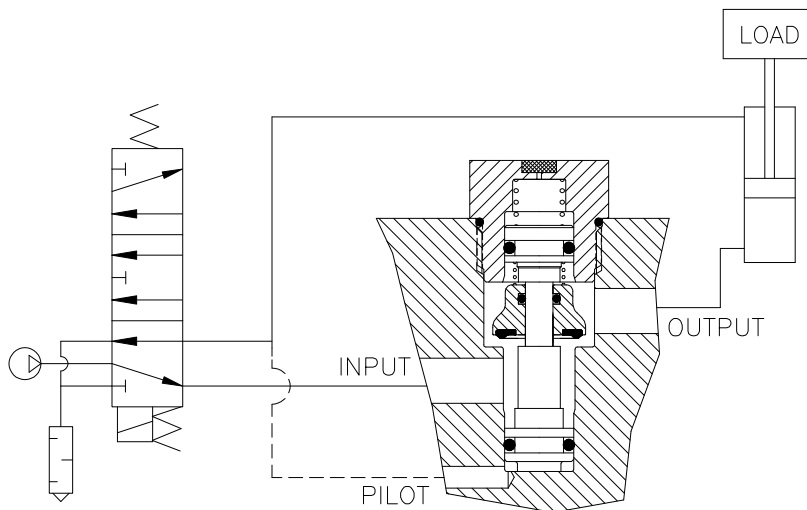
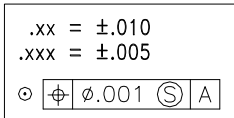
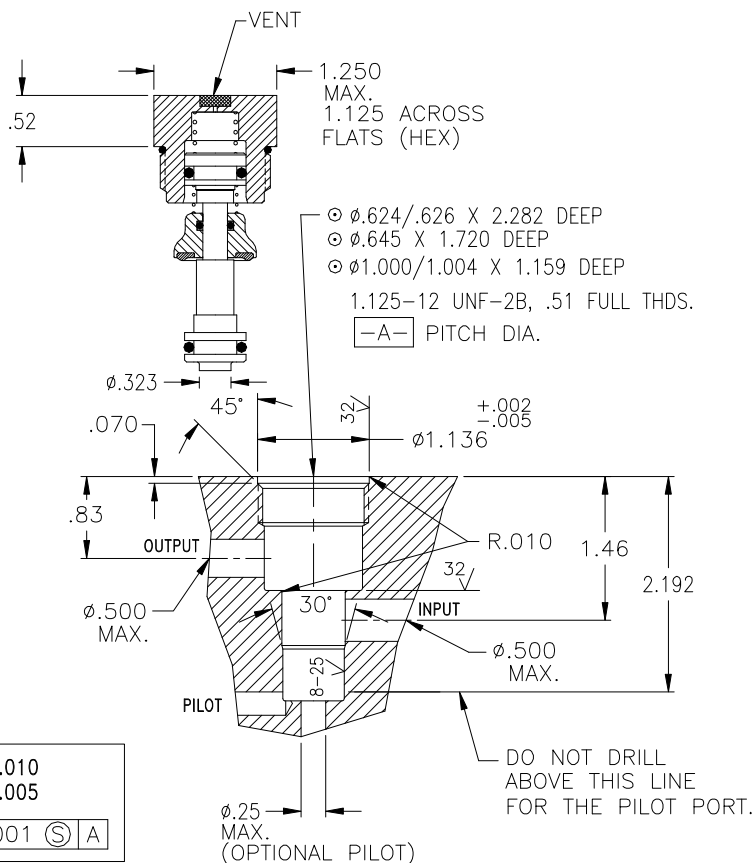
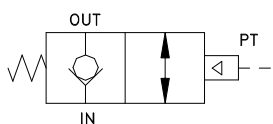


# Pneumatic Cartridge Valve for a Manifold, Cv=2.6

- High Flow
- High & Low Temp
- .000113 cc/min Leak Rate
- Insert From One Side
- Easy Repair

## Basic Operation:

Lock your pneumatic device in position when a pressure drop or total loss of pressure occurs.



## Operating Data:

- Max. Pressure:** 150 psi
- Min. Pilot Pressure:** 40 psi
- Leak Rate:** .000113 cc/min
- Temp. Range:** 25 psi (see table)  
-20 to 150 F (Nitrile)  
30 to 350 F (FKM)  
-40 to 150 F (EPDM)
- Cycle Rate:** 1 cyc./sec. max.
- Max. Flow Capacity (Cv):** 2.6
- Cracking Pressure:** 1-3 psi
- Service:** Properly filtered dry air or lubricated air.

Description	Standard	Low Temp*	High Temp
Cartridge, End Cap & Spring	<b>BC4MNAS</b>	<b>BC4MNAS40</b>	<b>BC4MNASV</b>
Cartridge & Spring	<b>BC4MN</b>	<b>BC4MNT40</b>	<b>BC4MNV</b>

*\* No petroleum based lubricants. Comes lubricated with a silicone based lubricant. Add (-K18) to the model number for a lower pilot pressure (Ex: BC4MNAS-K18).*

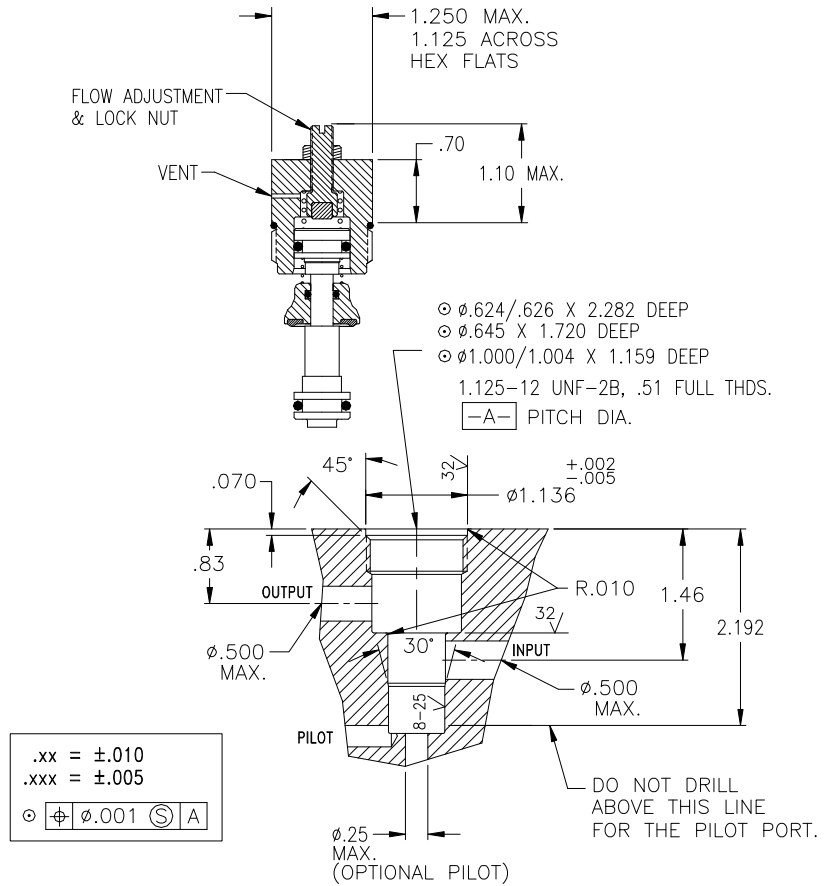
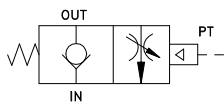


# Pneumatic Cartridge Valve with Flow Control for a Manifold, Cv=2.6

- High Flow
- Flow Control
- .000113 cc/min Leak Rate
- Insert From One Side
- Easy Repair

## Basic Operation:

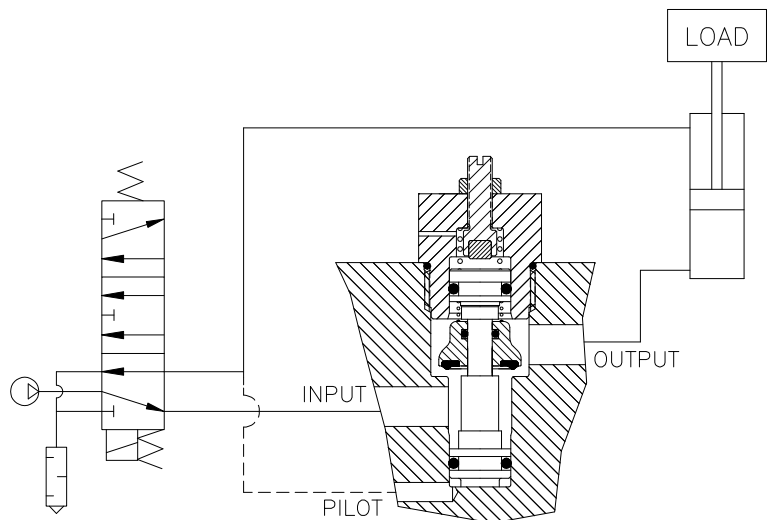
Lock your pneumatic device in position when a pressure drop or total loss of pressure occurs. Air flow is metered from the Output to the Input port.



No. of Turns	Equivalent Diameter (in.)	No. of Turns	Equivalent Diameter (in.)
.25	.15	1.25	.34
.50	.21	1.50	.37
.75	.26	1.75	.40
1.0	.30		

## Operating Data:

**Max. Pressure:** 150 psi  
**Min. Pilot Pressure:** 40 psi  
 25 psi (K18 suffix)  
**Leak Rate:** .000113 cc/min  
**Temp. Range:** -20 to 150 F (Nitrile)  
**Cycle Rate:** 1 cyc./sec. max.  
**Max. Flow Capacity (Cv):** 2.6  
**Cracking Pressure:** 1-3 psi  
**Service:** Properly filtered dry air or lubricated air.



Description	Model
Cartridge, Adjustable Cap, & Spring	<b>BC4MNFL</b>
Cartridge, Adjustable Cap, & Low Pressure Spring	<b>BC4MNFLK18</b>



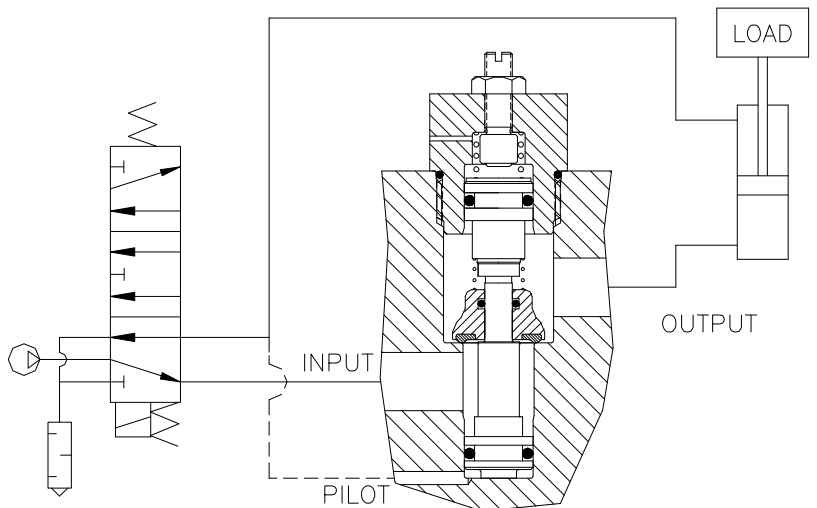
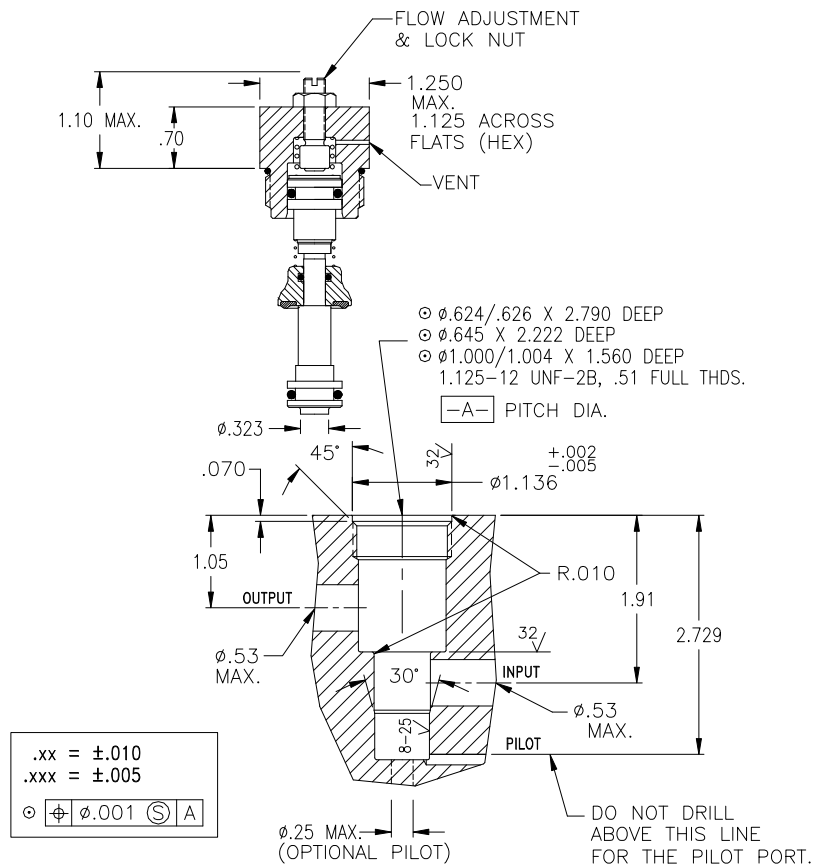
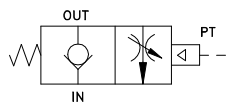


# Pneumatic Cartridge Valve with Flow Control for a Manifold, Cv=4

- High Flow, Cv=4 Max.
- Flow Control
- .000113 cc/min Leak Rate
- Insert From One Side
- Easy Repair

## Basic Operation:

Lock your pneumatic device in position when a pressure drop or total loss of pressure occurs. Air flow is metered from the Output to the Input port.



No. of Turns	Equivalent Diameter (in.)	No. of Turns	Equivalent Diameter (in.)
.25	.15	1.75	.40
.50	.21	2.00	.43
.75	.26	2.25	.46
1.0	.30	2.50	.48
1.25	.34	2.75	.50
1.50	.37	3.00	.53

## Operating Data:

**Max. Pressure:** 150 psi  
**Min. Pilot Pressure:** 40 psi  
 25 psi (K18 suffix)  
**Leak Rate:** .000113 cc/min  
**Temp. Range:** -20 to 150 F (Nitrile)  
**Cycle Rate:** 1 cyc./sec. max.  
**Max. Flow Capacity (Cv):** 4.0  
**Cracking Pressure:** 1-3 psi  
**Service:** Properly filtered dry air or lubricated air.

Description	Model
Cartridge, Adjustable Cap, & Spring	<b>BC5MNFL</b>
Cartridge, Adjustable Cap, & Low Pressure Spring	<b>BC5MNFLK18</b>

